

FIG.1

1	SWITCHING ELEMENT (CAPACITY)	GATE INPUT CAPACITY	TURN-ON TIME	TURN-OFF TIME	MINIMUM PULSE WIDTH
2	FET1(500V,3A)	330pF	25nS	50nS	77nS
3	FET1(500V,10A)	1050pF	85nS	135nS	210nS
4	FET1(500V,30A)	2800pF	172nS	300nS	472nS
5	FET1(600V,75A)	4100pF	600nS	800nS	1400nS
6	IGBT MODULE (600V,400A)	20000pF	700nS	1100nS	1800nS

FIG.2

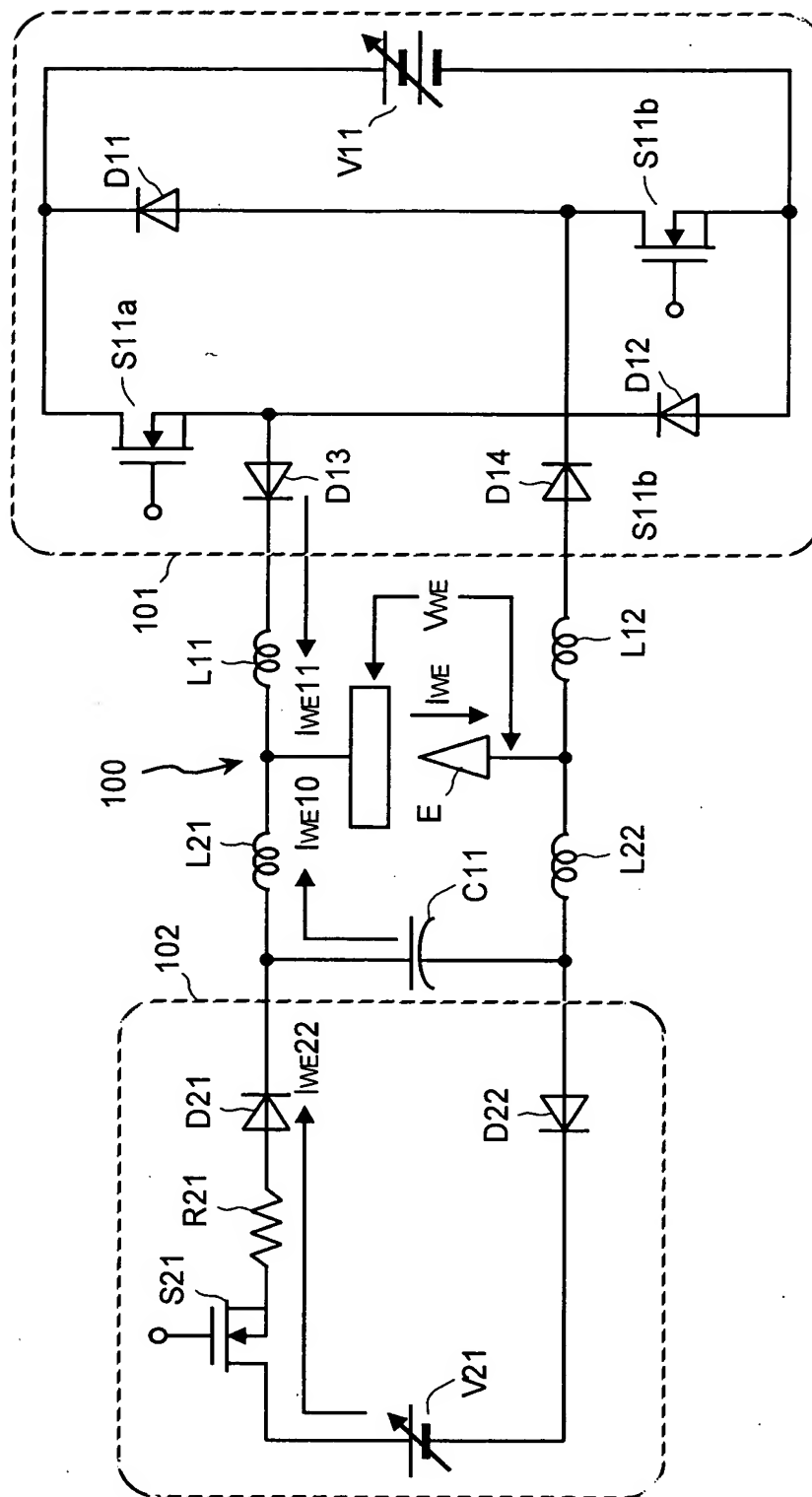
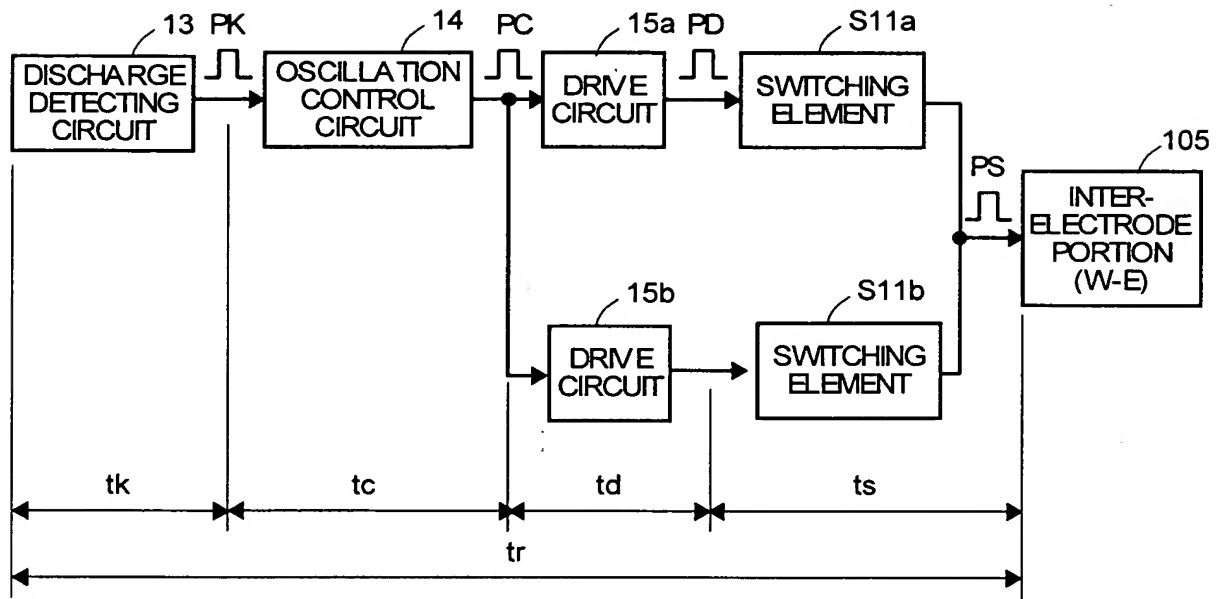
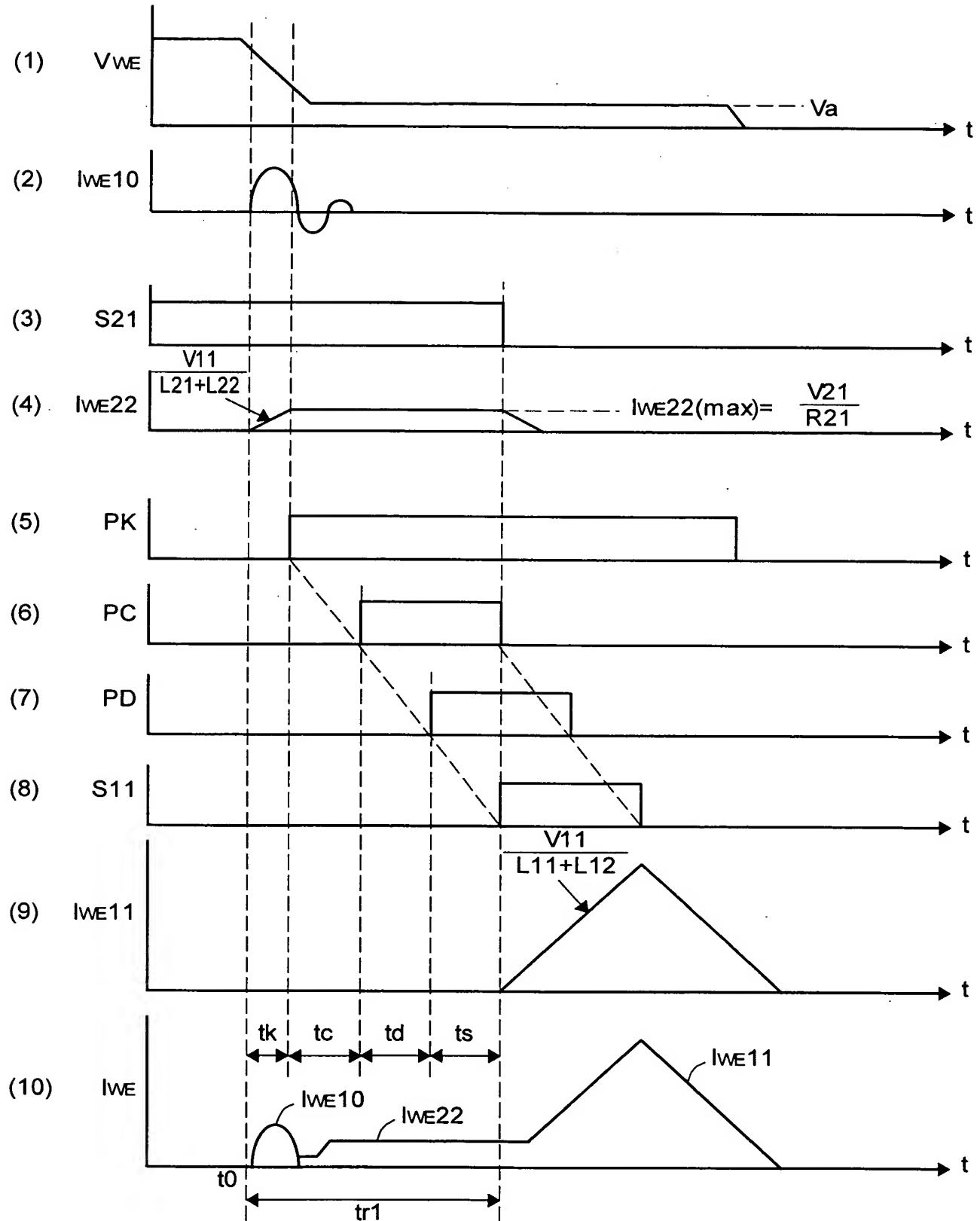


FIG.3



4/22

FIG.4



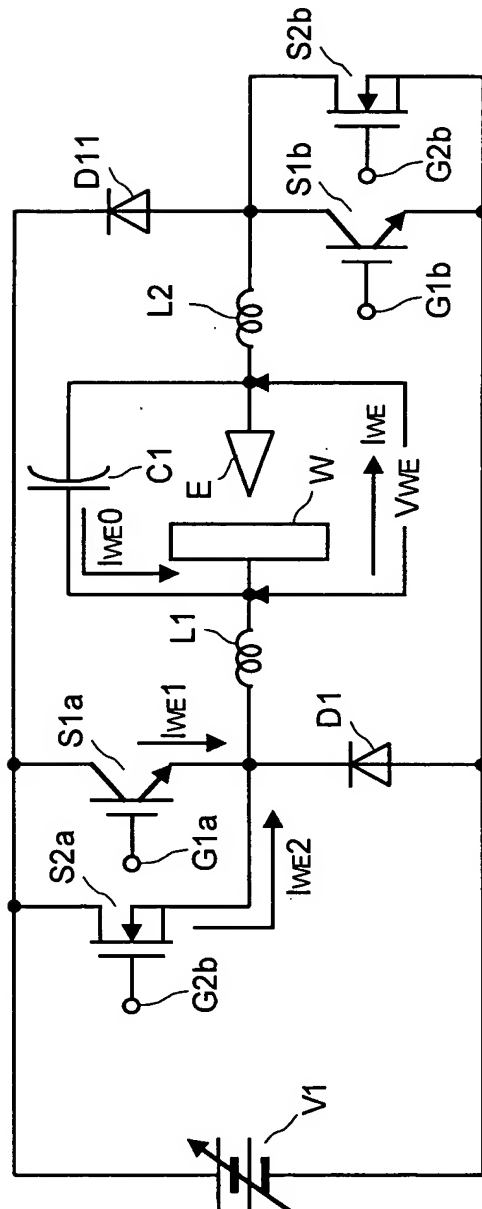
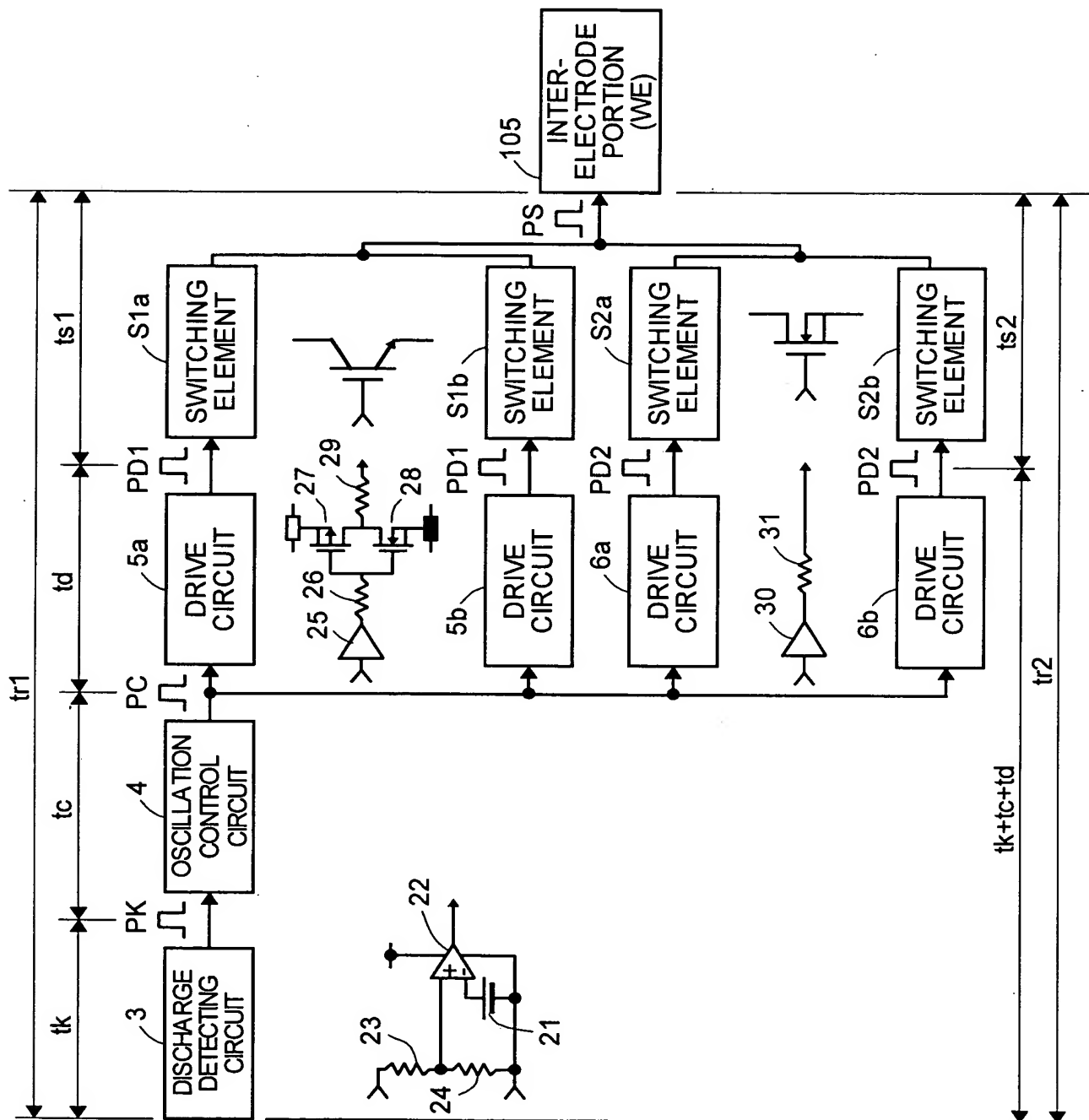
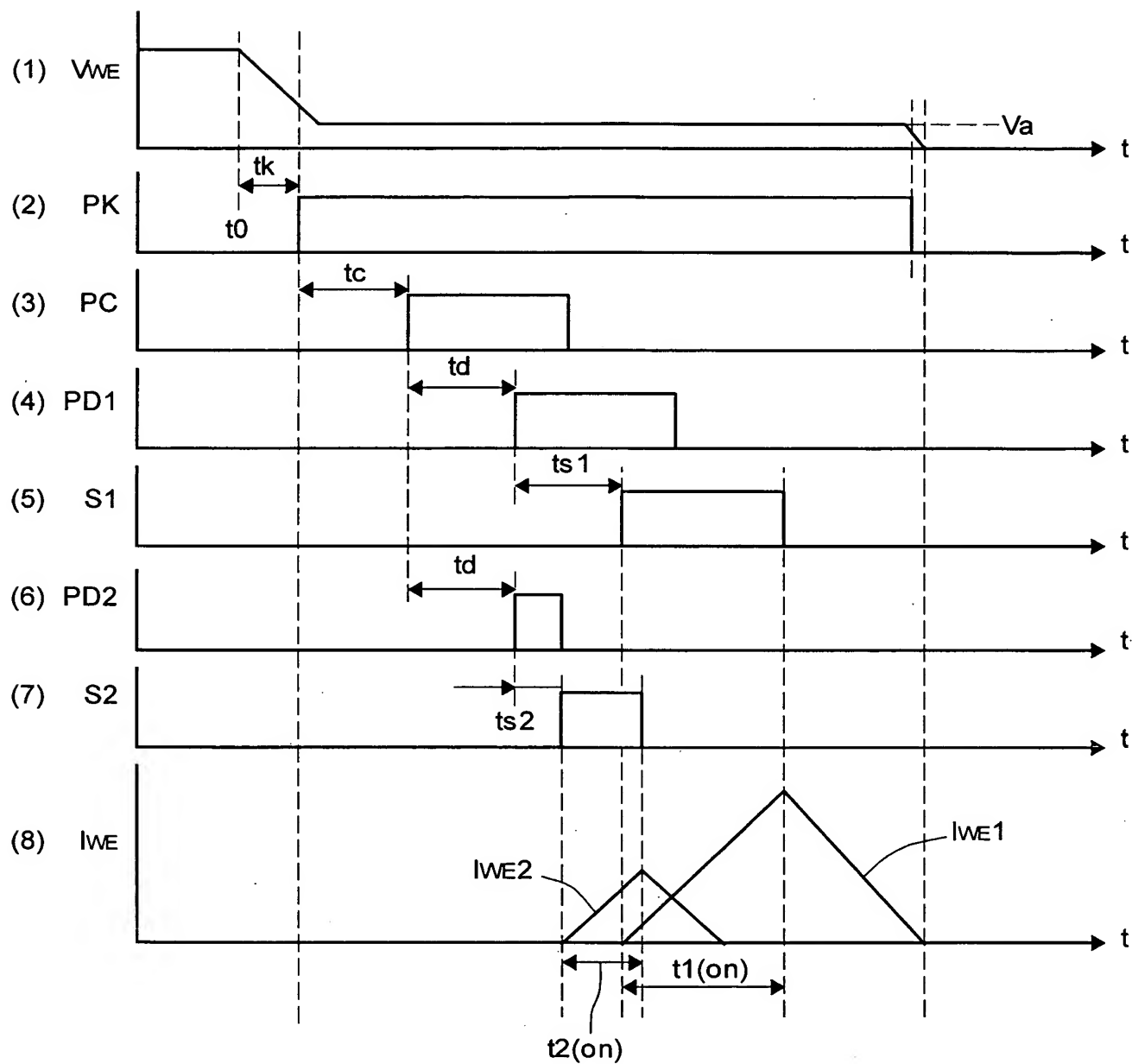


FIG. 6



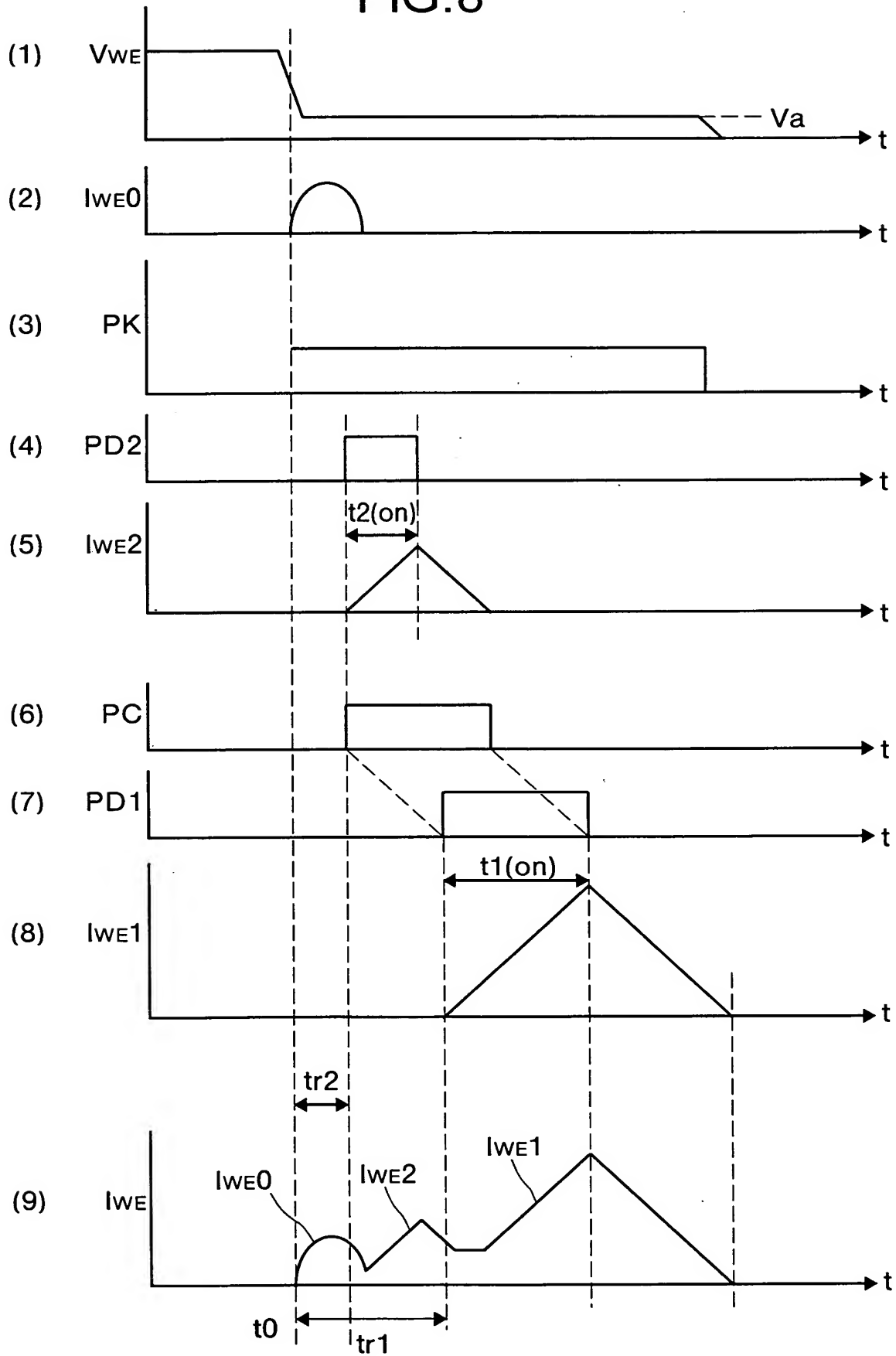
7/22

FIG.7



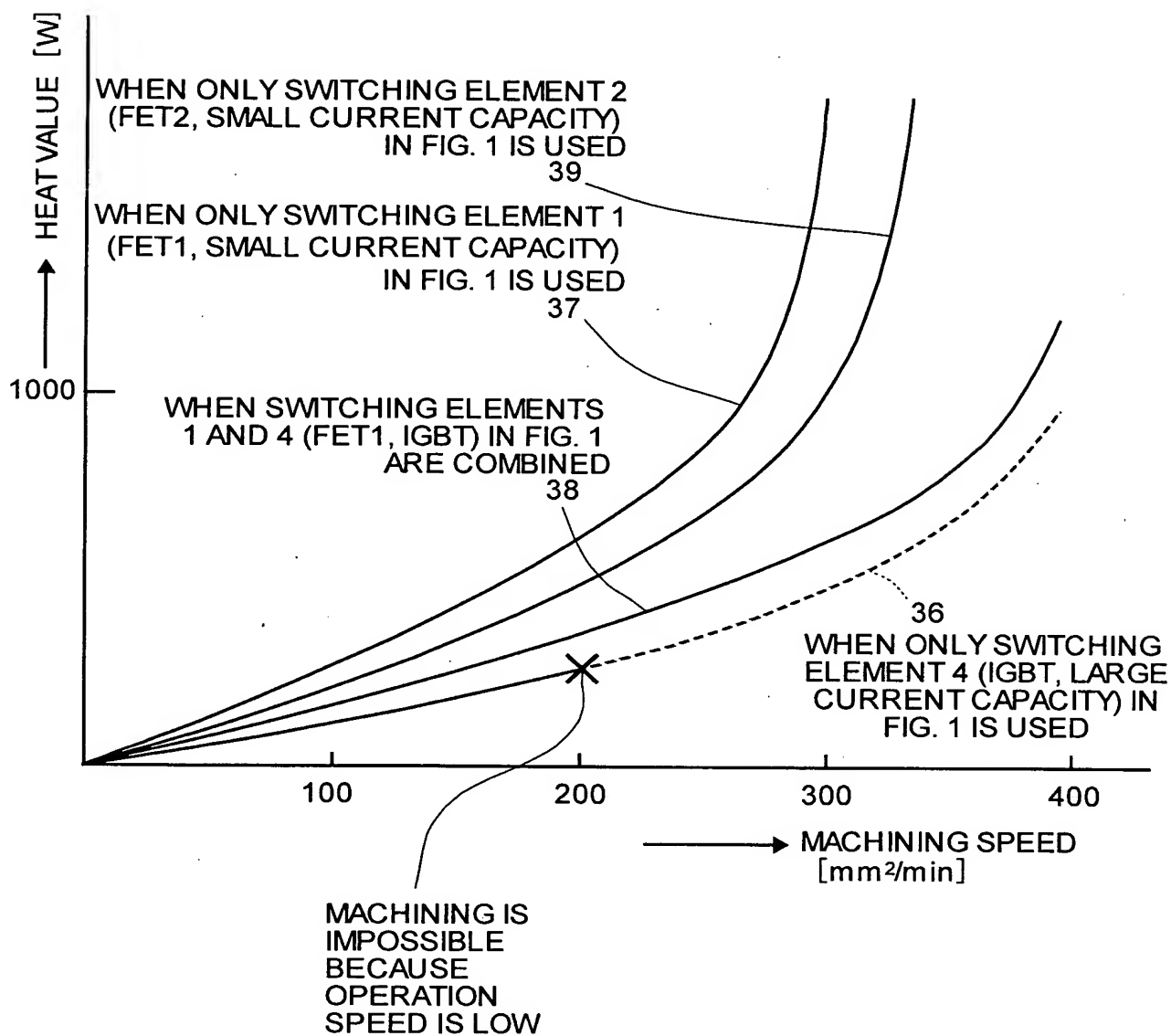
8/20

FIG.8



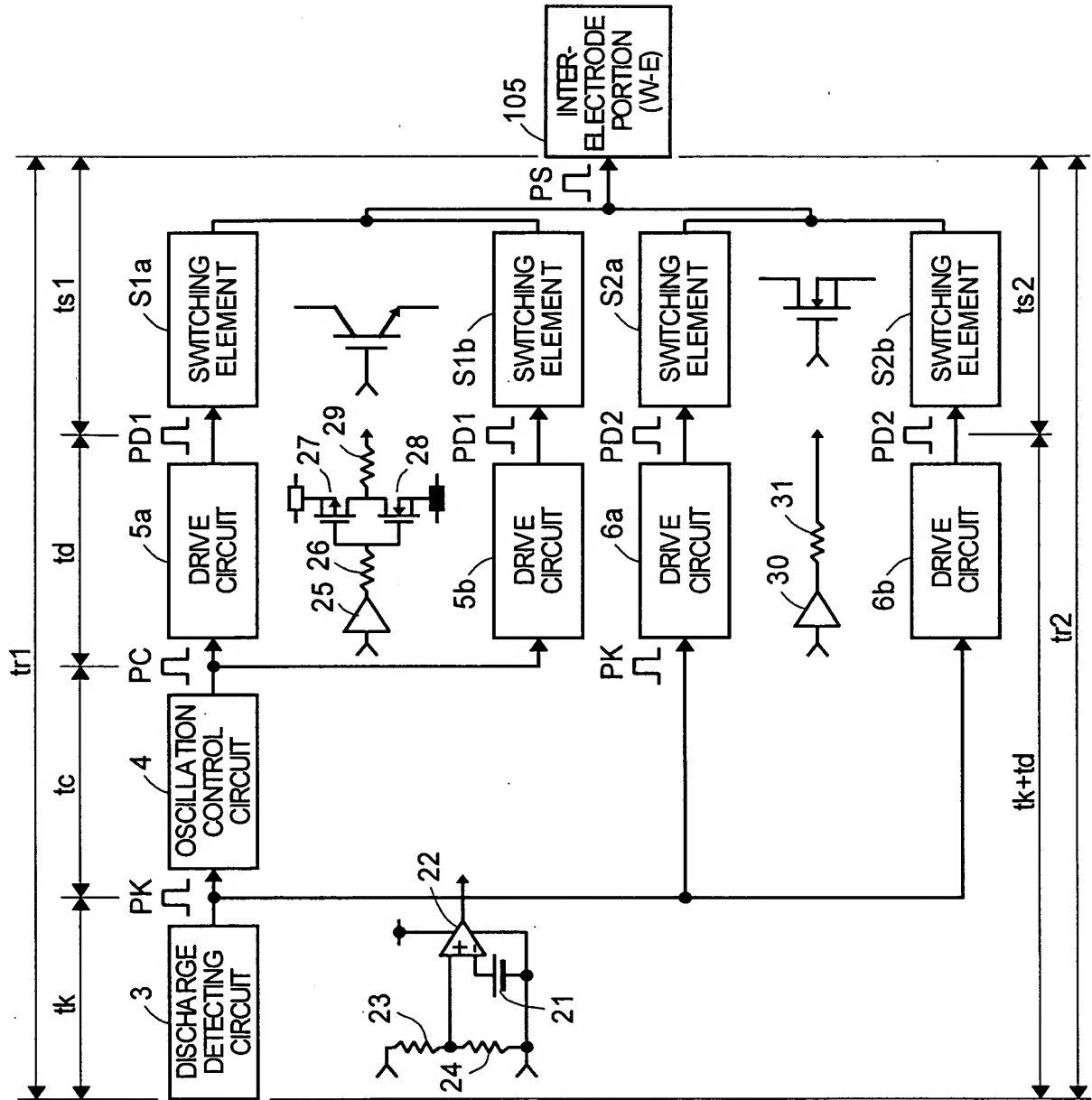
9/22

FIG.9



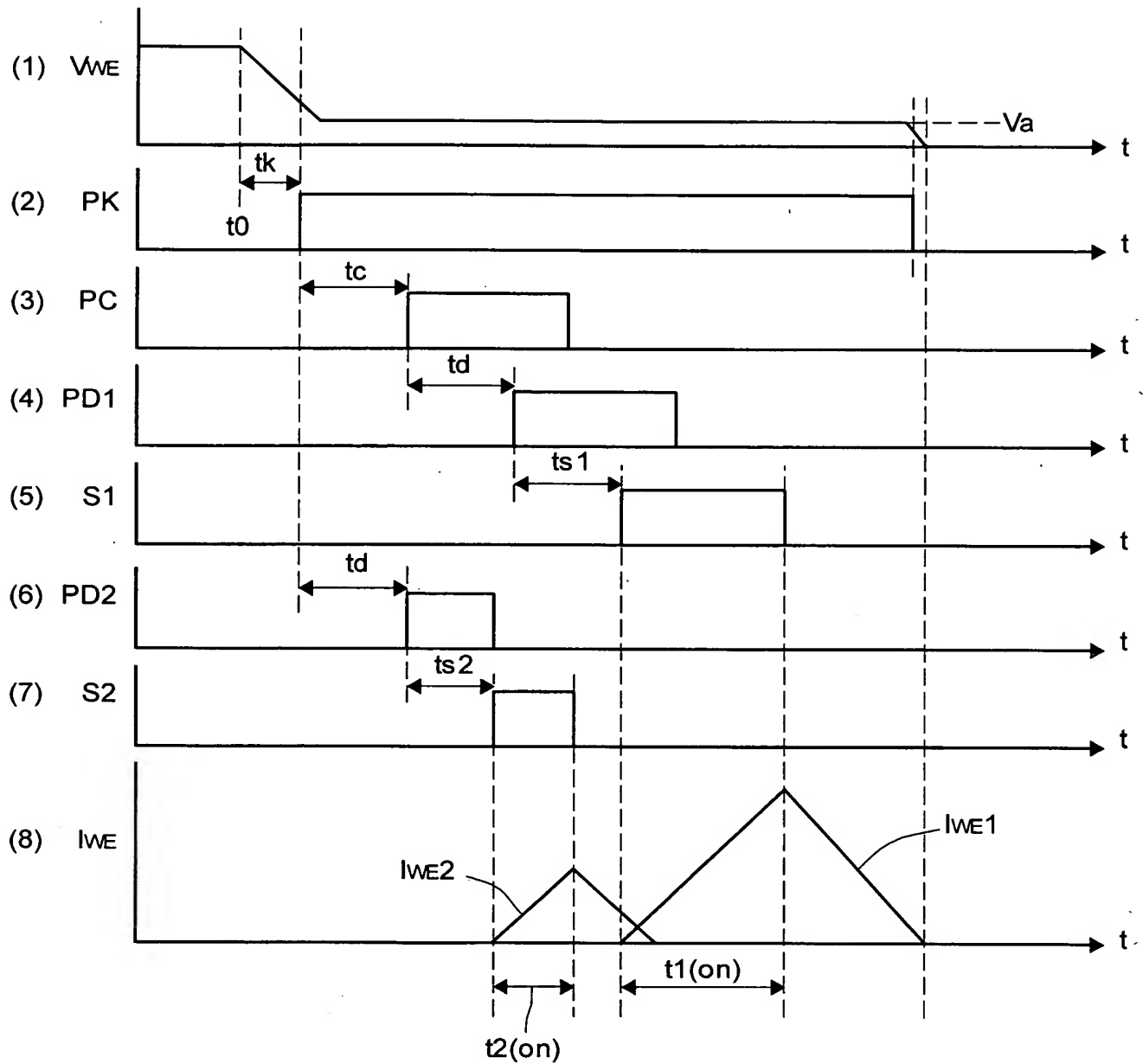
10/22

FIG.10



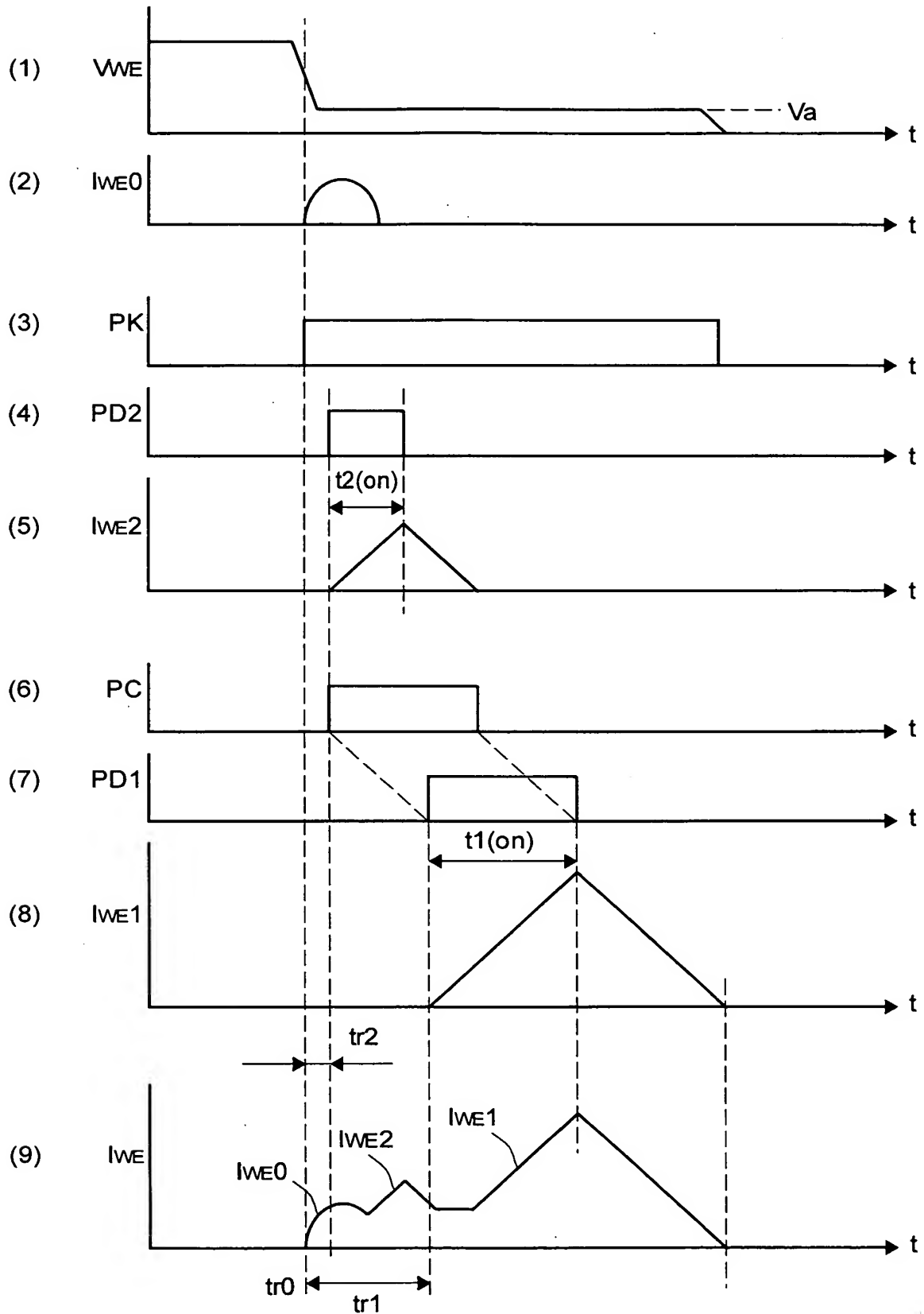
11/22

FIG.11



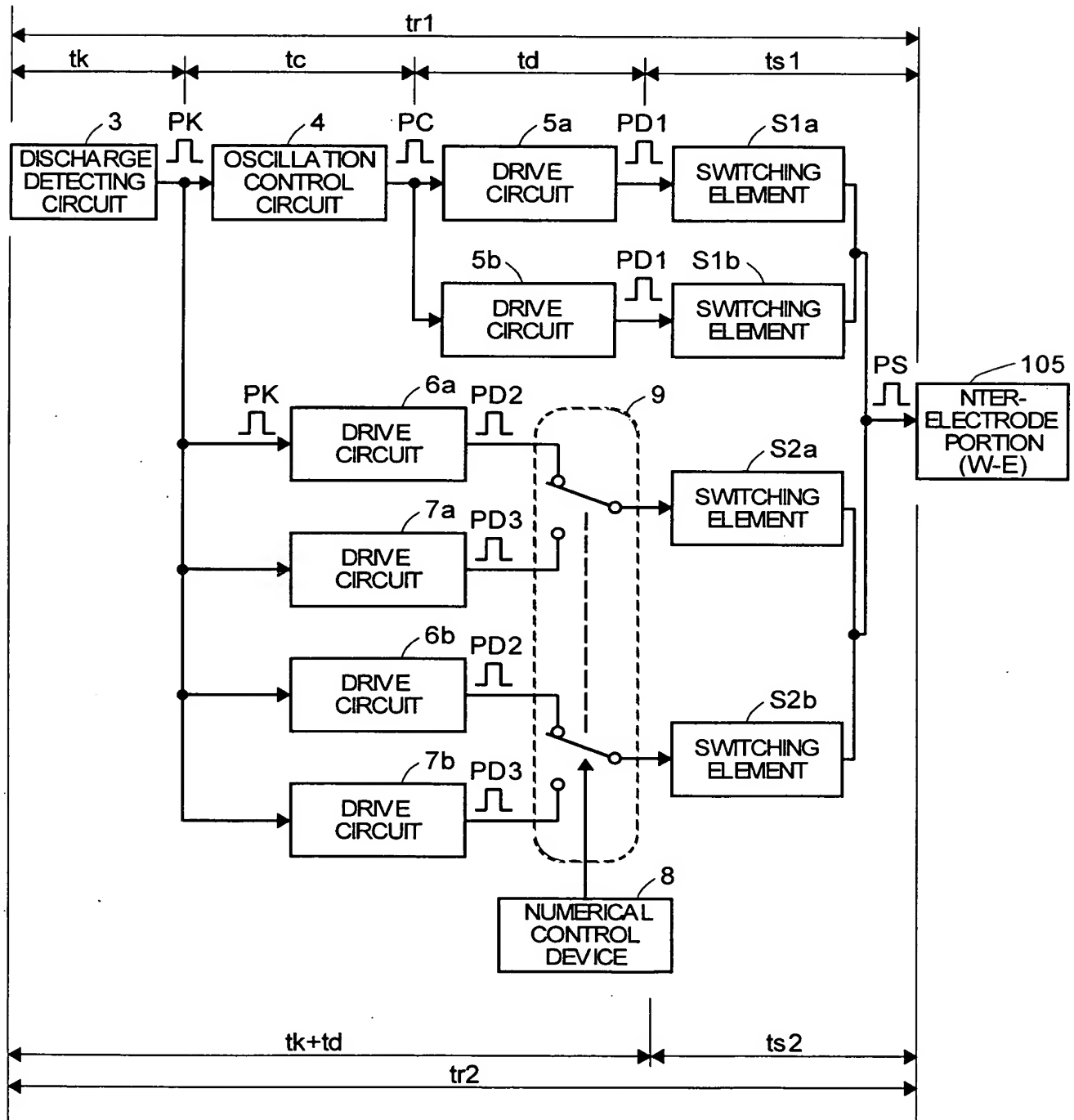
12/22

FIG.12



13/22

FIG. 13



14/22

FIG. 14

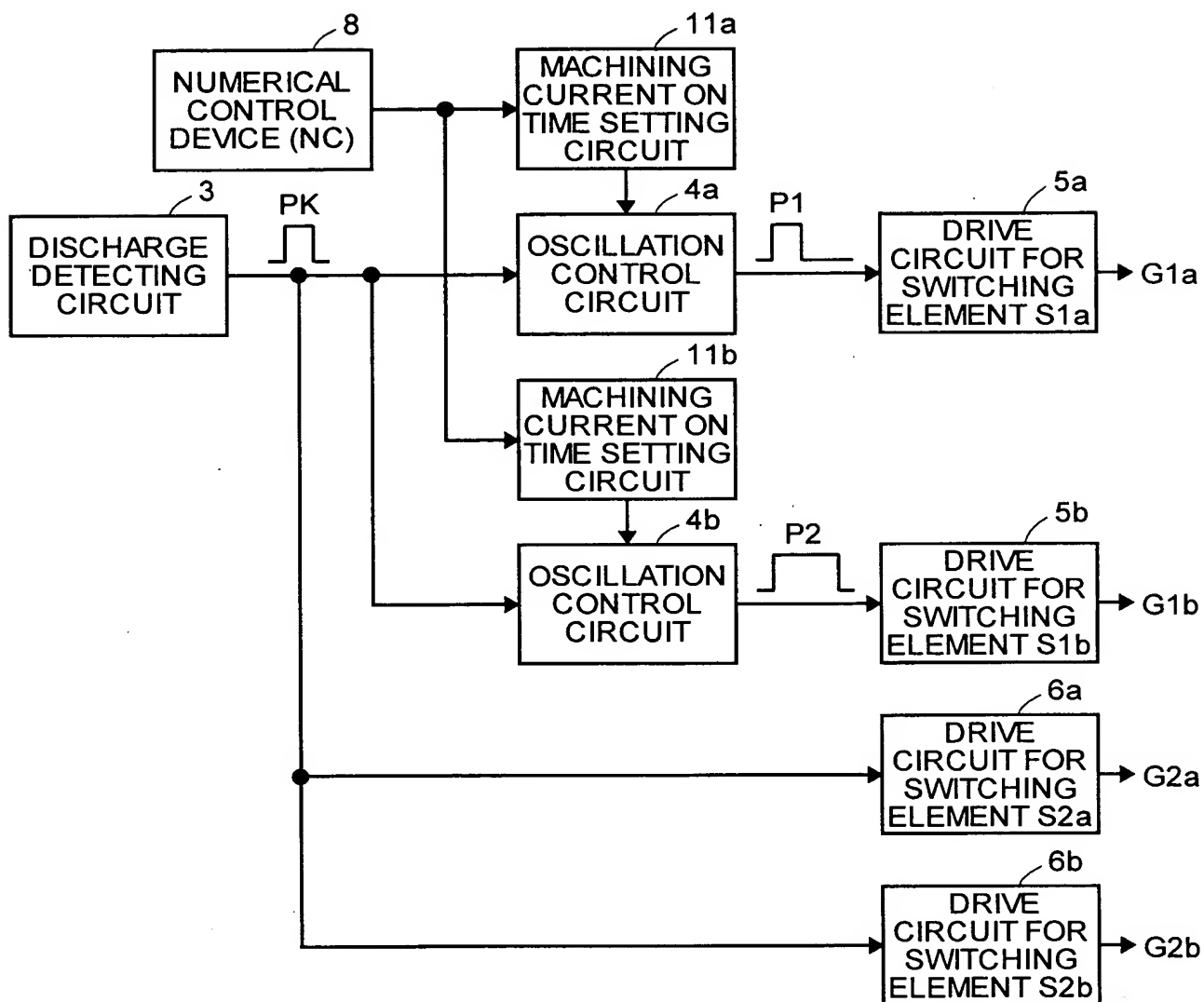


FIG.15

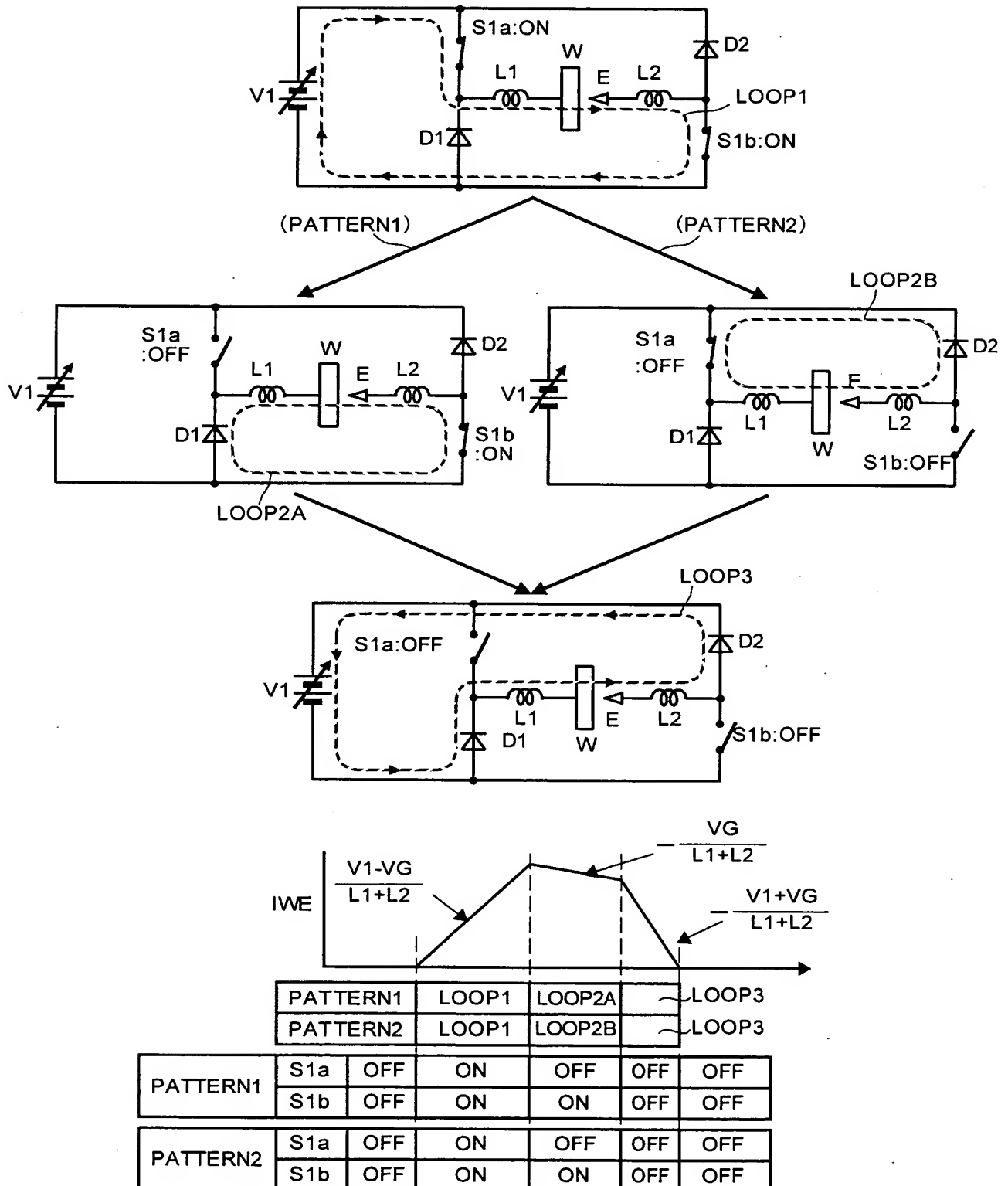
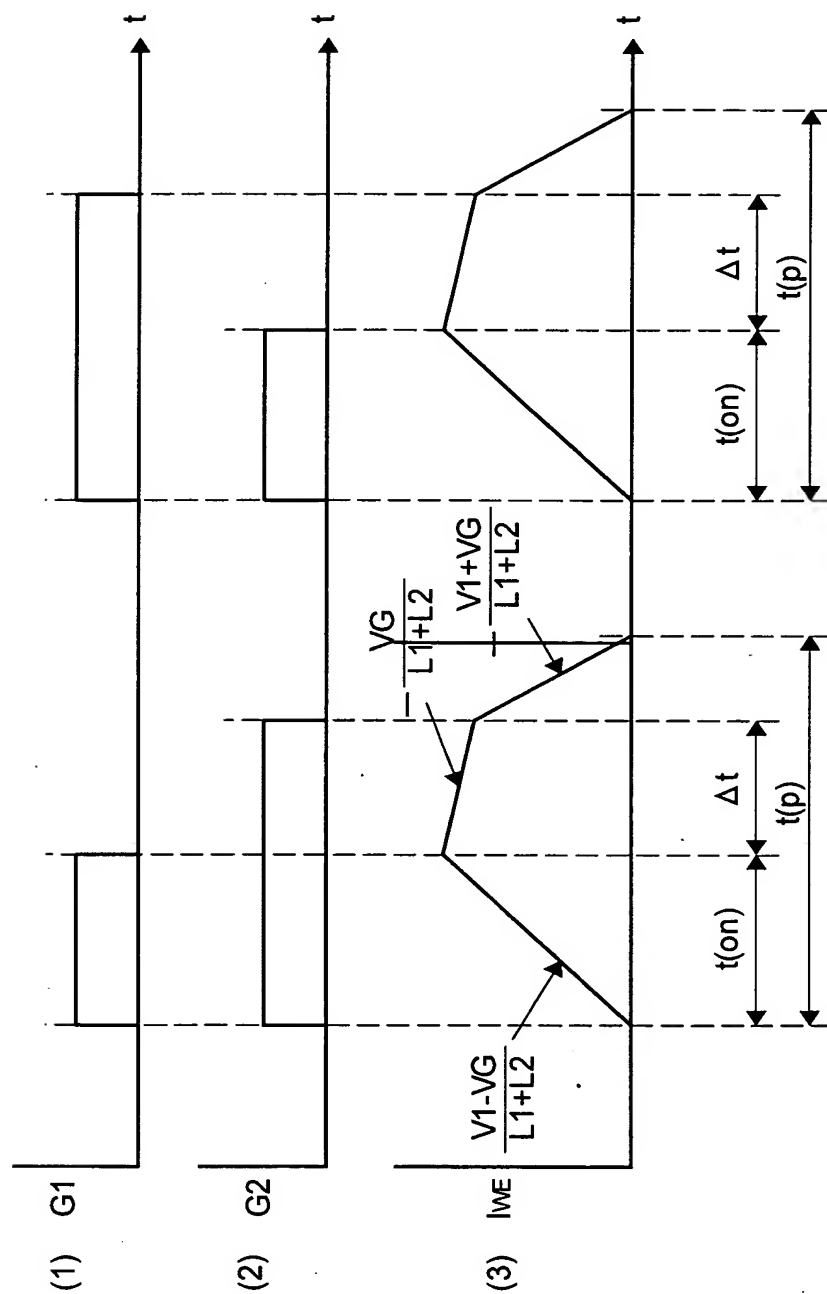


FIG.16



17/22

FIG.17

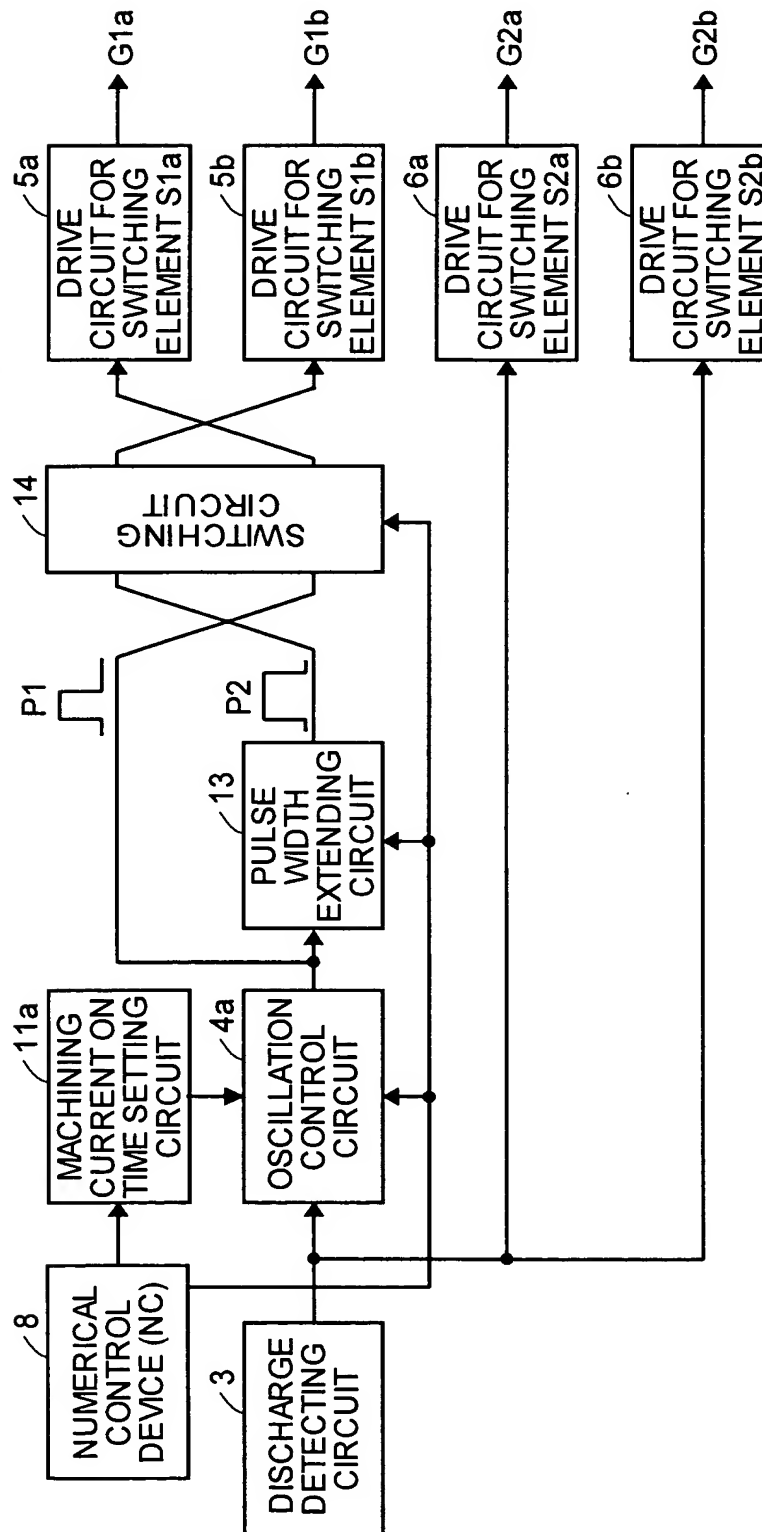
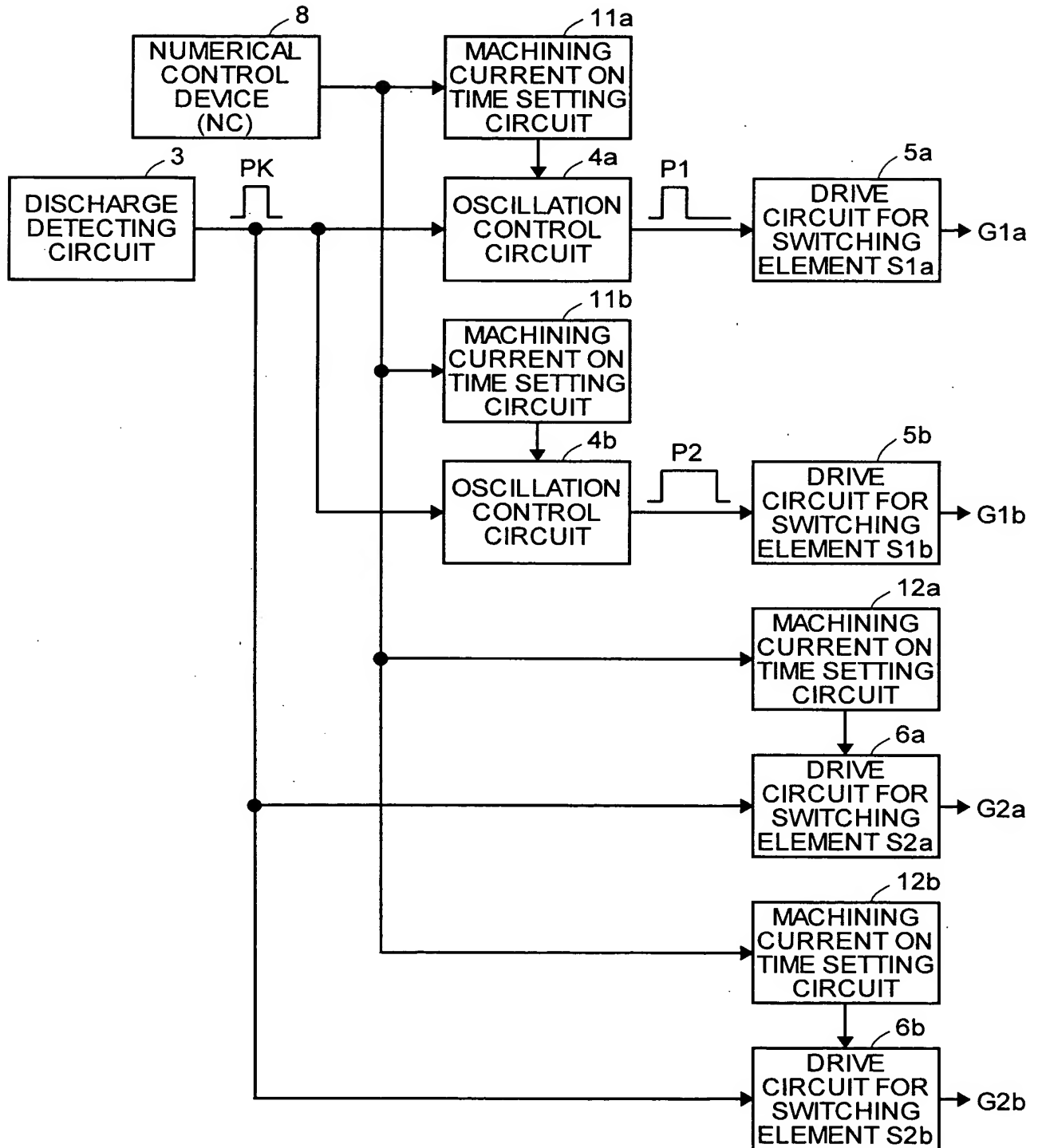
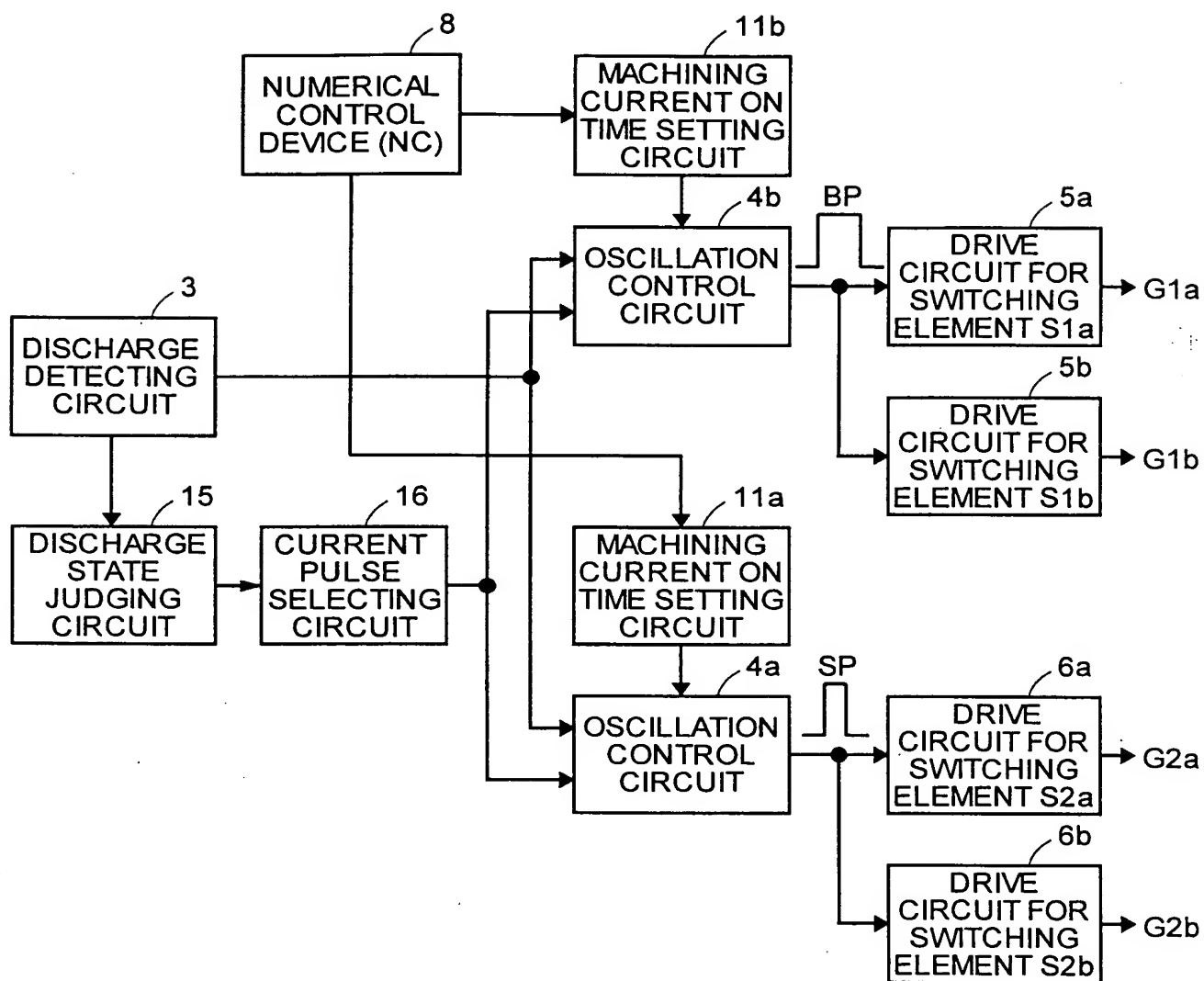


FIG. 18



19/22

FIG.19



20/22

FIG.20

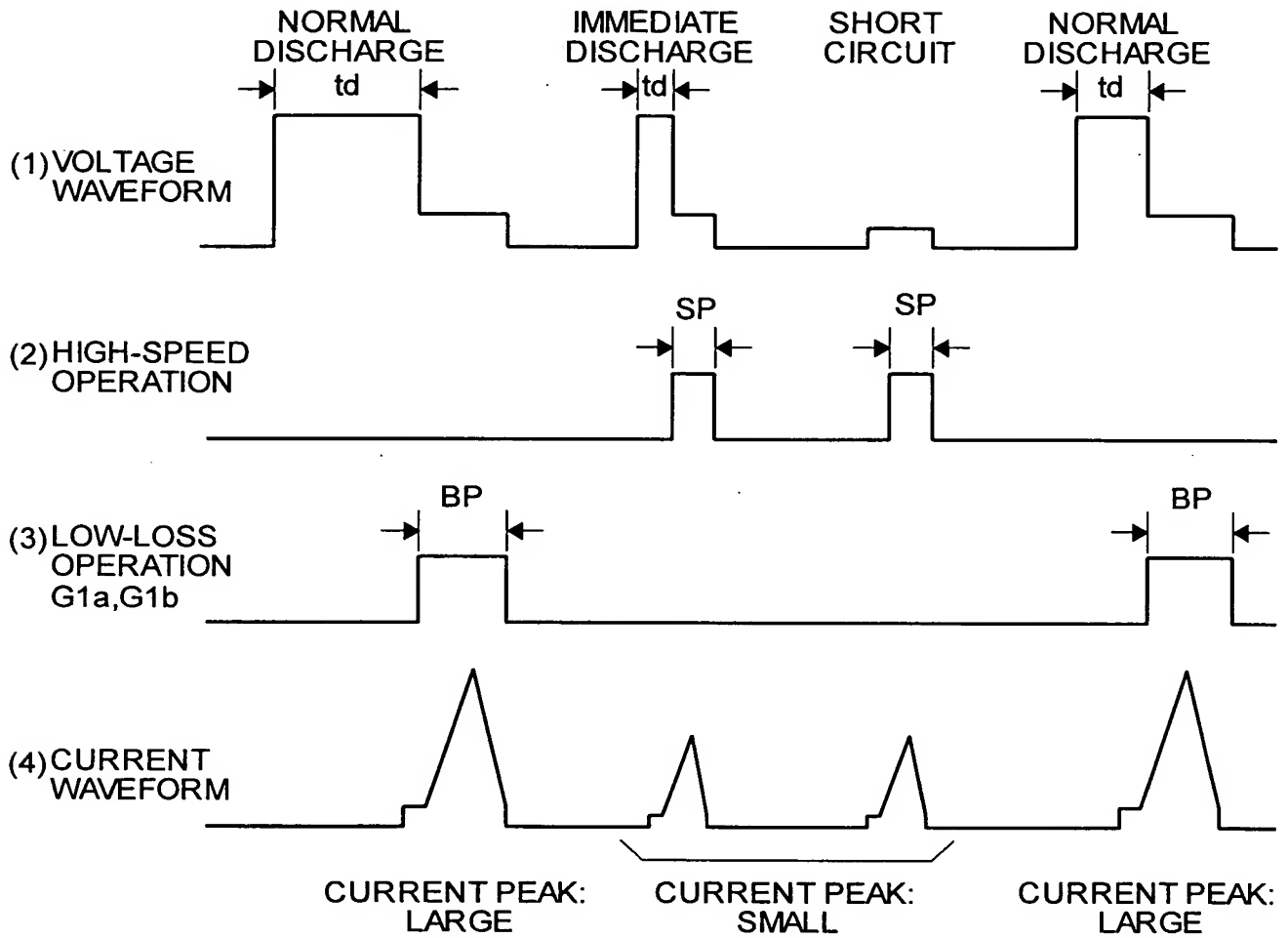


FIG.21

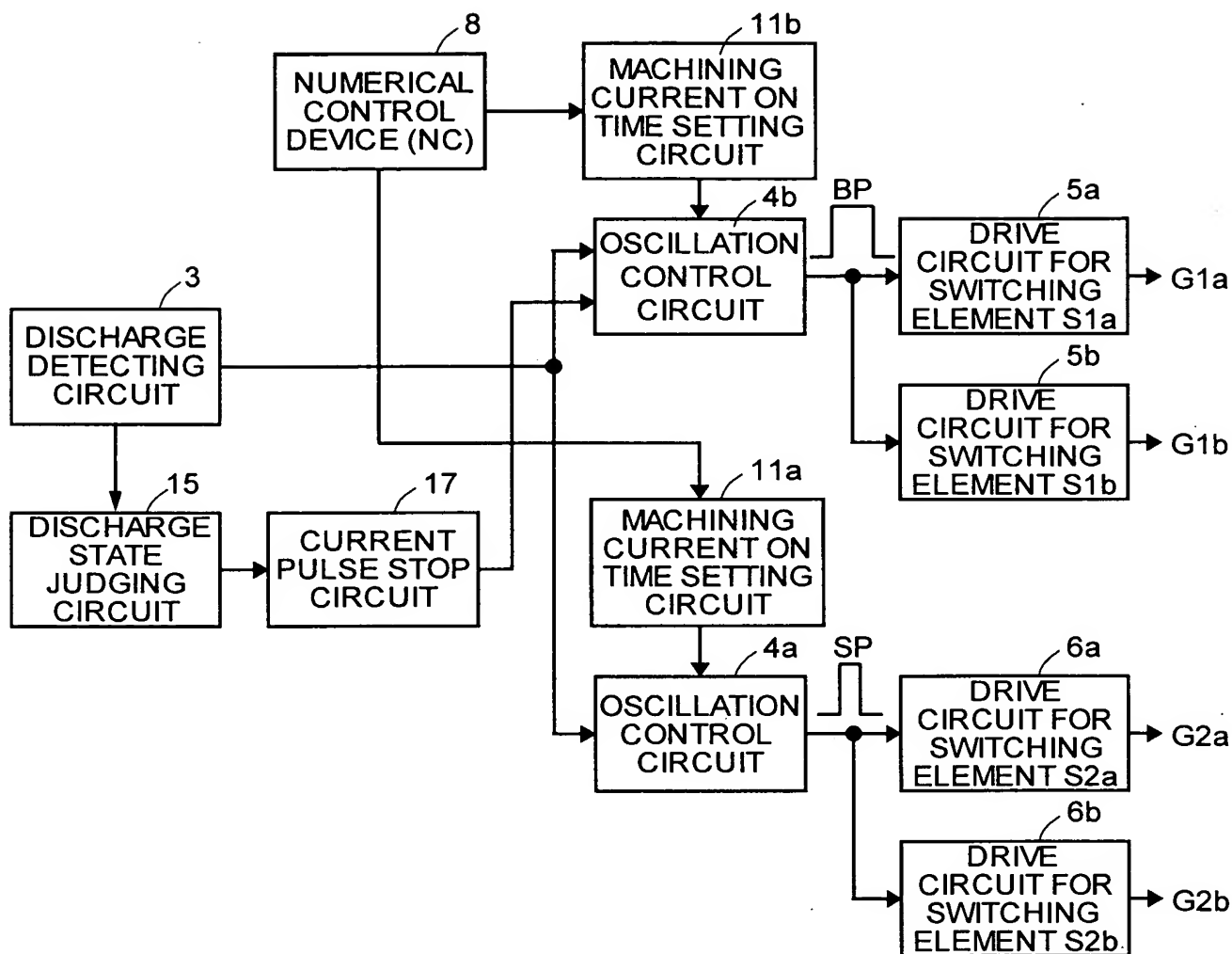


FIG.22

